

3.8.0

CLASSIFICATIONS AND NUMERIC STANDARDS
SOUTH PLATTE RIVER BASIN
LARAMIE RIVER BASIN
REPUBLICAN RIVER BASIN
SMOKY HILL RIVER BASIN

3.8.1 AUTHORITY

These Regulations are promulgated pursuant to C.R.S. 1973, 25-8-101 et seq., as amended, and in particular, 25-8-203 and 25-8-204.

3.8.2 PURPOSE

Surface water
These Regulations establish classifications and numeric standards for the South Platte River, the Laramie River, the Republican River and the Smoky Hill River, including all tributaries and standing bodies of water as indicated in Section 3.8.6. The classifications identify the actual beneficial uses of the water. The numeric standards are assigned to determine the allowable concentrations of various parameters. Discharge permits will be issued by the Water Quality Control Division to comply with basic, narrative, and numeric standards and control regulations so that all discharges to waters of the State protect the classified uses. (See Section 3.1.14). It is intended that these and all other stream classifications and numeric standards be used in conjunction with and be an integral part of Regulation 3.1.0 - REGULATIONS ESTABLISHING BASIC STANDARDS AND AN ANTIDEGRADATION STANDARD AND ESTABLISHING A SYSTEM FOR CLASSIFYING STATE WATERS, FOR ASSIGNING STANDARDS, AND FOR GRANTING TEMPORARY MODIFICATIONS.

3.8.3 INTRODUCTION

These Regulations and Tables present the classifications and numeric standards assigned to stream segments listed in the attached Tables (See Section 3.8.6). As additional stream segments are classified and numeric standards for designated parameters are assigned for this drainage system, they will be added to or replace the numeric standards in the Tables in Section 3.8.6). Any additions or revisions of classifications or numeric standards can be accomplished only after public hearing by the Commission and proper consideration of evidence and testimony as specified by the Statute and the "basic regulations".

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Colorado), whichever is greater.

- (d) In no case shall uranium levels in waters assigned to a water supply classification be increased by a cause attributable to municipal, industrial, or agricultural discharges so as to exceed 40 pCi/l where naturally-occurring concentrations are less than 40 pCi/l.

3.8.6 TABLES

(1) Introduction

The numeric standards for various parameters in the attached Tables were assigned by the Commission after a careful analysis of the data presented on actual stream conditions and on actual potential water uses.

Numeric standards are not assigned for all parameters listed in the Tables attached to 3.1.0. If additional numeric standards are found to be needed during future periodic reviews, they can be assigned by following the proper hearing procedures.

3.8.6 (2) Table Value Standards

- (a) In certain instances in the attached Tables, the designation "TVS" is used to indicate that for a particular parameter a "table value standard" has been adopted. This designation refers to numerical criteria set forth in Table III from the Basic Standards and Methodologies for Surface Water, which is reprinted, including footnotes, on the following three pages for informational purposes.
- (b) In many cases, the table value standards are in the form of equations dependent on hardness levels. The selection of an appropriate site-specific hardness value is addressed in footnote 3 to Table III.
- (c) The designation "TVS (trout)" indicates that the corresponding "acute (trout)" or "chronic (trout)" equation from Table III applies.
- (d) For segments with multiple classified uses, when the "TVS" designation is listed, the most stringent corresponding standards from Table III apply.

Table 2
SITE SPECIFIC RADIONUCLIDE STANDARDS*
(in Picocuries/Liter)

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The radionuclides listed below shall be maintained at the lowest practical level and in no case shall they be increased by any cause attributable to municipal, industrial, or agricultural practices to exceed the site specific numeric standards.

A. Ambient based site-specific standards:

	Segment 2 Standley Lake	Segment 3 Great Western Reservoir	Segment 4 Woman Creek	Segment 5 Walnut Creek
Gross Alpha	6	5	7	11
Gross Beta	9	12	5	19
Plutonium	.03	.03	.05	.05
Americium	.03	.03	.05	.05
Tritium	500	500	500	500
Uranium	3	4	5	10

B. Other site-specific standard applicable to segments 2,3,4 and 5.

Curium	244	60
Neptunium	237	30

*Statewide standards also apply for radionuclides not listed above.

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